## Messaging Redlines

This document highlights superlative or exclusivity claims in the foundation copy and proposes revised wording. Each change is justified either by a published source or marked as **[Unverified]** when no source is available.

| Before (Original Statement) | After (Revised Statement) | Justification |
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| **“First personal RAG system implementing Dense X Retrieval insights for surgical precision in fact extraction and citation.”** | **“A personal RAG system implementing Dense X Retrieval insights to achieve more precise fact extraction and citation.”** | The claim of being the *first* cannot be substantiated; the revision removes exclusivity and focuses on the capability. |
| **“10.1% improvement over traditional chunking confirmed by 2025 research.”** | **“An academic study reported that proposition‑level retrieval improved recall@20 by +10.1 points for unsupervised dense retrievers and +2.2 points for supervised retrievers over passage retrieval**[**[1]**](https://arxiv.org/html/2312.06648v2#:~:text=Wikipedia%20is%20indexed%20by%20passage%2C,provide%20a%20higher%20density%20of)**.”** | The revision ties the improvement figure directly to the cited research and clarifies that it is recall@20 rather than a percentage of overall performance. |
| **“12–18 month lead in propositional RAG adoption.”** | **“We anticipate an early‑mover advantage while adoption of propositional RAG remains nascent [Unverified].”** | There is no evidence confirming a 12–18 month lead; the revised text uses “early‑mover” language and marks the timeframe as unverified. |
| **“Only personal system with proposition‑level citations and exact span attribution.”** | **“A personal system designed to deliver proposition‑level citations with exact span attribution; such capabilities are uncommon among consumer RAG products [Unverified].”** | The exclusivity claim (“only”) is replaced with a more defensible statement noting that similar features are uncommon; absence of comprehensive market data is marked as unverified. |
| **“Breakthrough architecture, sublinear scaling” (referring to Pinecone).** | **“Pinecone’s serverless architecture offers sublinear read‑cost scaling according to their documentation**[**[2]**](https://www.pinecone.io/learn/read-units/#:~:text=To%20project%20future%20overall%20costs%2C,use%20our%20cost%20calculator)**.”** | Rather than calling the architecture a “breakthrough,” the revision cites Pinecone’s claim about sublinear cost scaling, referencing the source. |
| **“<$200/month at scale vs $2000+ for commercial solutions.”** | **“Scenario‑based cost modelling suggests that monthly operating costs could be around $100–$200 for a solo researcher, while some enterprise tools may cost thousands of dollars per month**[**[2]**](https://www.pinecone.io/learn/read-units/#:~:text=To%20project%20future%20overall%20costs%2C,use%20our%20cost%20calculator)**[Unverified].”** | The blanket assertion of costs is softened to reflect a range derived from the cost model; the high end is flagged as unverified because comprehensive pricing data is lacking. |
| **“80% reduction in fact verification time, measurable productivity gains.”** | **“We hypothesise that automatically linking citations could significantly reduce fact‑verification time and improve productivity [Unverified].”** | There is no source for the 80% figure, so the revision frames it as a hypothesis and removes the quantified claim. |
| **“6–8 weeks personal time vs 6+ months enterprise implementations.”** | **“We estimate that an individual developer could build a proof‑of‑concept in roughly 6–8 weeks, whereas enterprise deployments often take several months [Unverified].”** | The revised wording presents this as an estimate rather than a definitive comparison and marks it unverified. |
| **“First‑Mover: Personal implementation of Dense X Retrieval insights.”** | **“Positioned as an early adopter of Dense X Retrieval insights for personal applications.”** | Replaces the exclusivity of “first” with “early adopter,” which better reflects the uncertainty of the competitive landscape. |
| **“Quality innovation: Citation precision impossible with traditional RAG approaches.”** | **“Proposition‑level retrieval improves citation precision relative to traditional passage‑level RAG, which often produces vague citations**[**[1]**](https://arxiv.org/html/2312.06648v2#:~:text=Wikipedia%20is%20indexed%20by%20passage%2C,provide%20a%20higher%20density%20of)**.”** | The revision removes the absolute “impossible” claim and ties the improvement to research findings. |
| **“Clear path to $50–200/month SaaS offering.”** | **“Benchmarking of adjacent research tools suggests potential pricing tiers around $50–$200 per user per month**[**[3]**](https://elicit.com/#:~:text=Monthly)**.”** | The revised statement grounds the pricing range in comparable market benchmarks rather than asserting a “clear path.” |
| **“First personal propositional RAG with 12–18 month lead.”** | **“An early personal RAG system using proposition‑level indexing during the initial adoption period [Unverified].”** | Removes the unverified “first” and “12–18 month lead,” replacing them with general early‑adopter language. |
| **“Citation precision impossible with traditional RAG approaches.”** | **“Traditional passage‑level RAG often produces vague citations; proposition‑level indexing aims to provide more focused citations**[**[1]**](https://arxiv.org/html/2312.06648v2#:~:text=Wikipedia%20is%20indexed%20by%20passage%2C,provide%20a%20higher%20density%20of)**.”** | Eliminates the absolute “impossible” assertion and anchors the claim in research evidence. |
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[[1]](https://arxiv.org/html/2312.06648v2#:~:text=Wikipedia%20is%20indexed%20by%20passage%2C,provide%20a%20higher%20density%20of) Dense Retrieval: What Retrieval Granularity Should We Use?

<https://arxiv.org/html/2312.06648v2>

[[2]](https://www.pinecone.io/learn/read-units/#:~:text=To%20project%20future%20overall%20costs%2C,use%20our%20cost%20calculator) Manage Serverless Costs with Read Units | Pinecone

<https://www.pinecone.io/learn/read-units/>

[[3]](https://elicit.com/#:~:text=Monthly) Elicit: The AI Research Assistant

<https://elicit.com/>